

FIG. 1

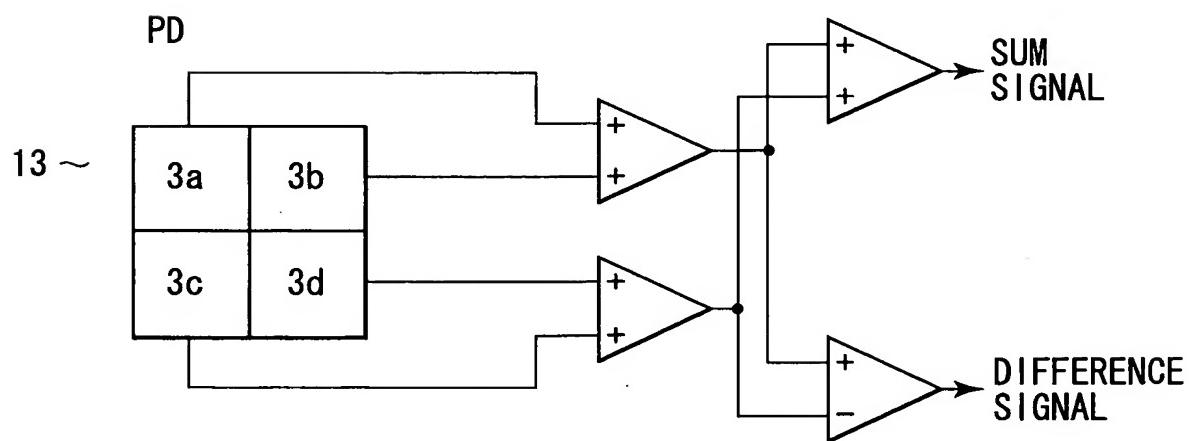


FIG. 2

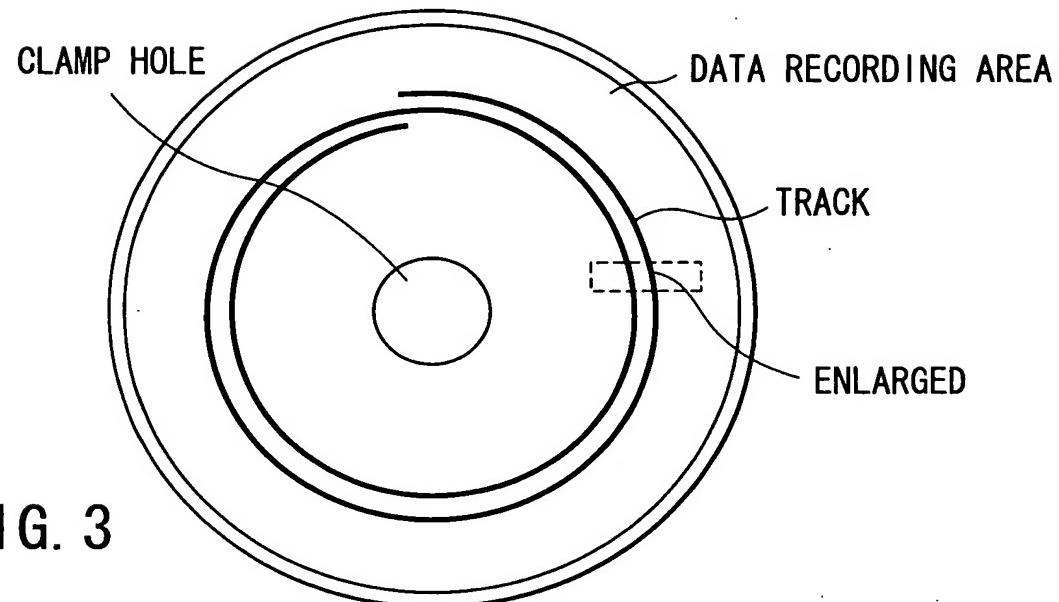


FIG. 3

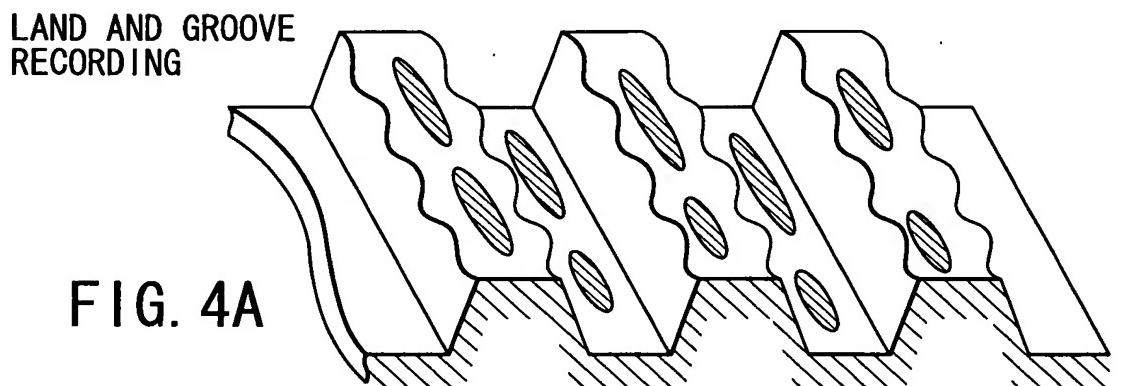


FIG. 4A

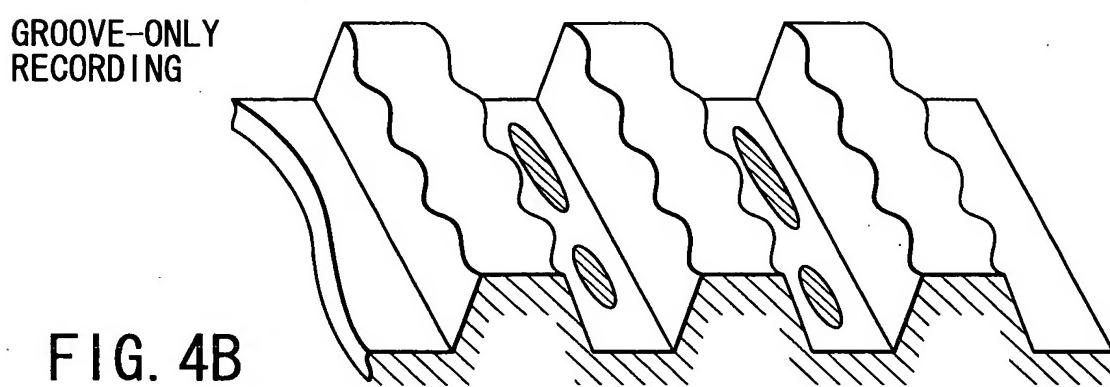


FIG. 4B

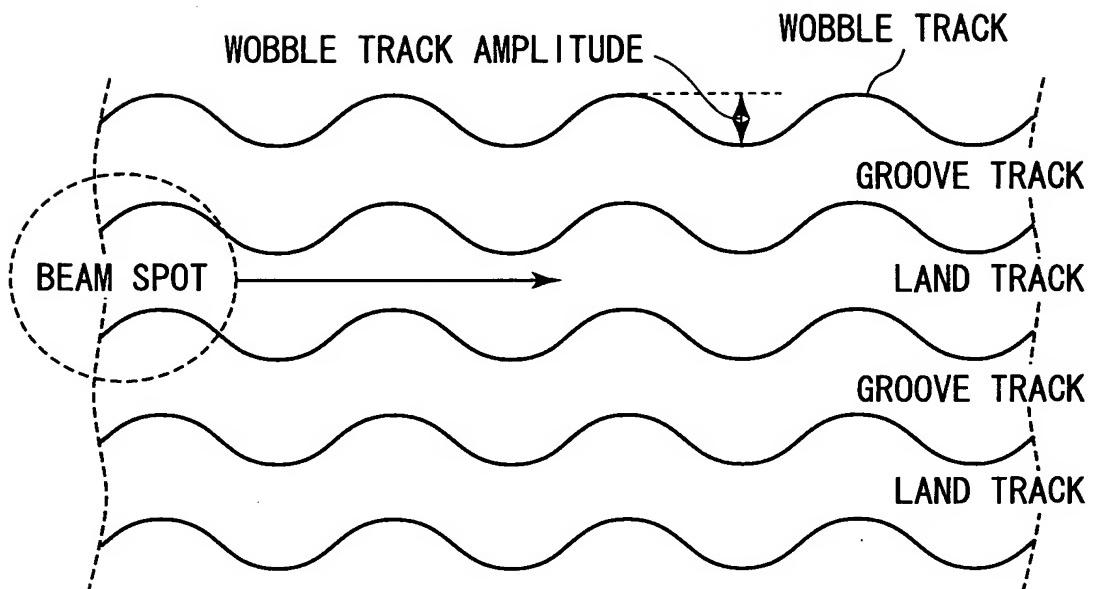


FIG. 5

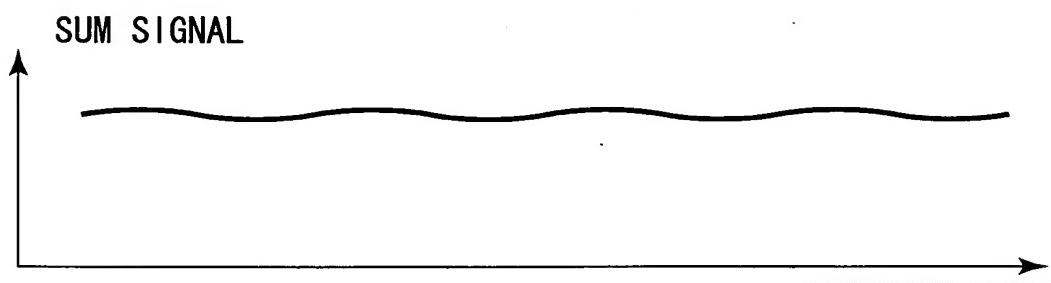


FIG. 6A

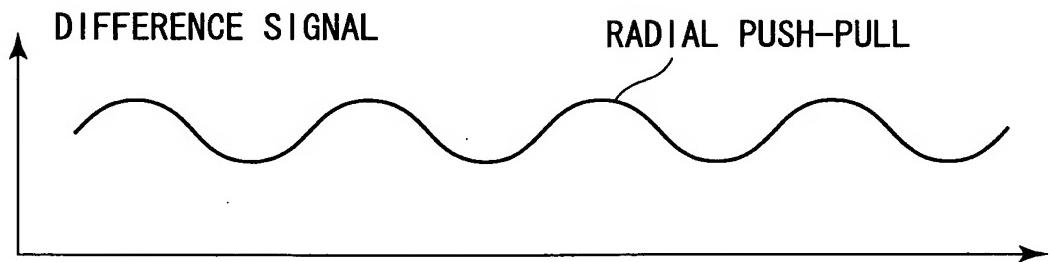


FIG. 6B

FREQUENCY MODULATION

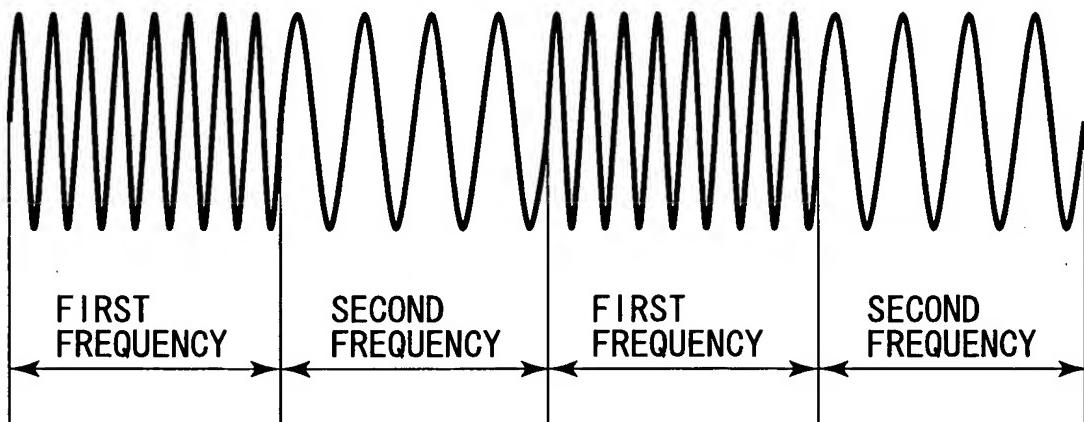


FIG. 7

PHASE MODULATION

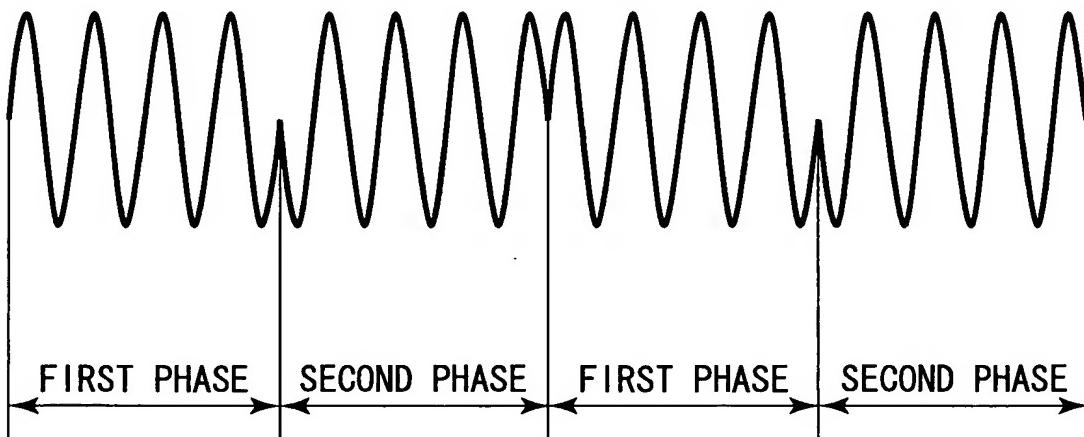


FIG. 8

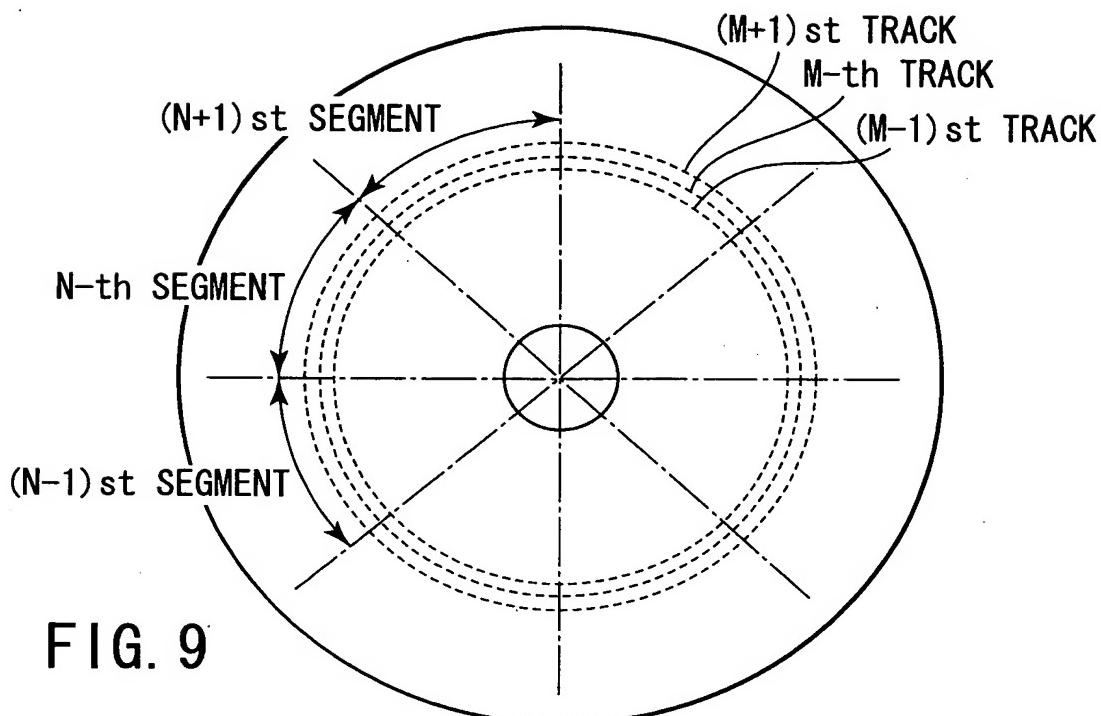


FIG. 9

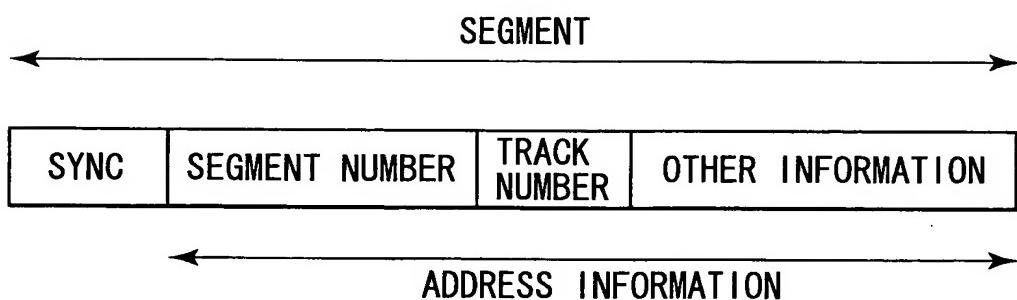


FIG. 10

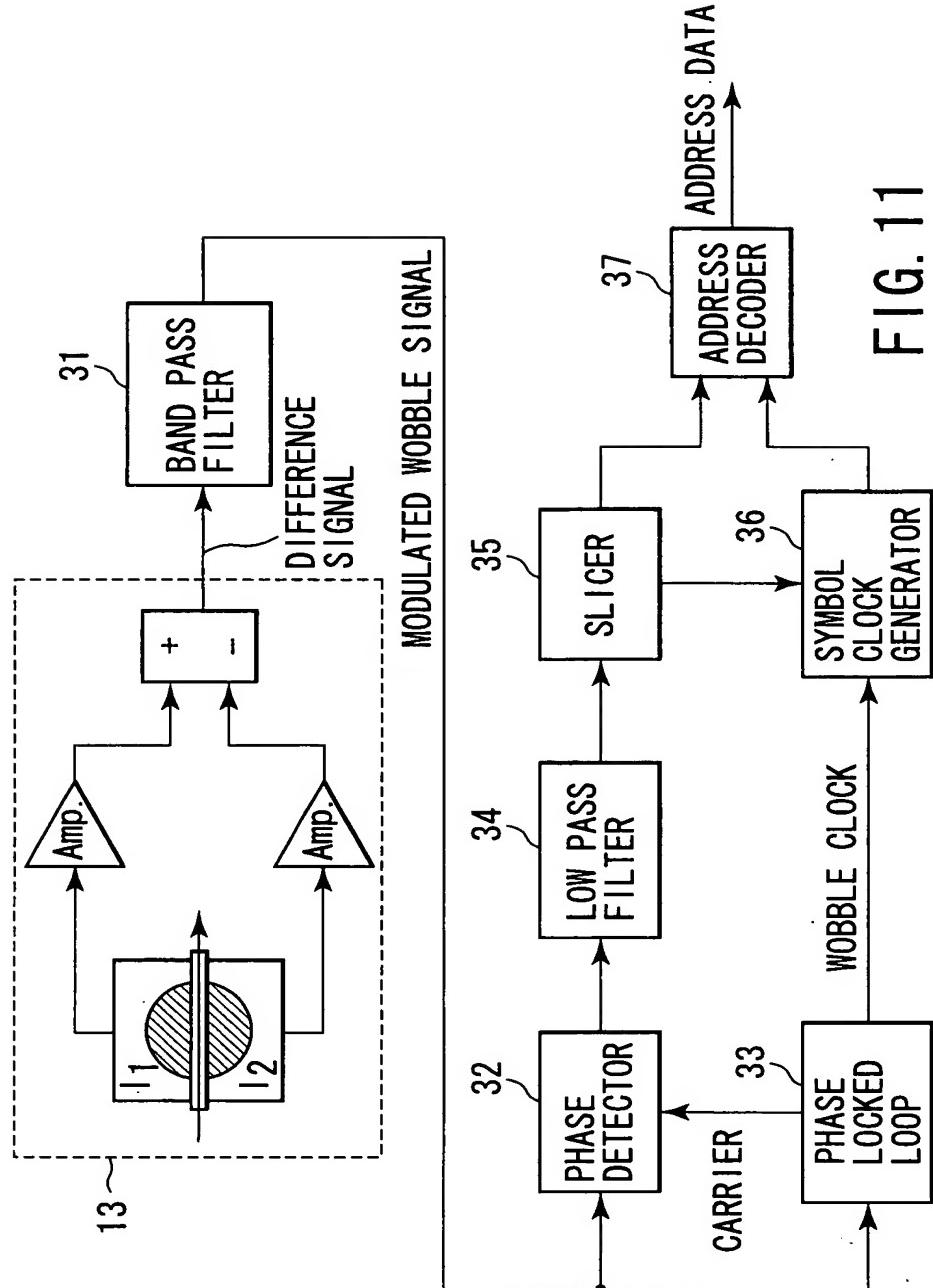


FIG. 11

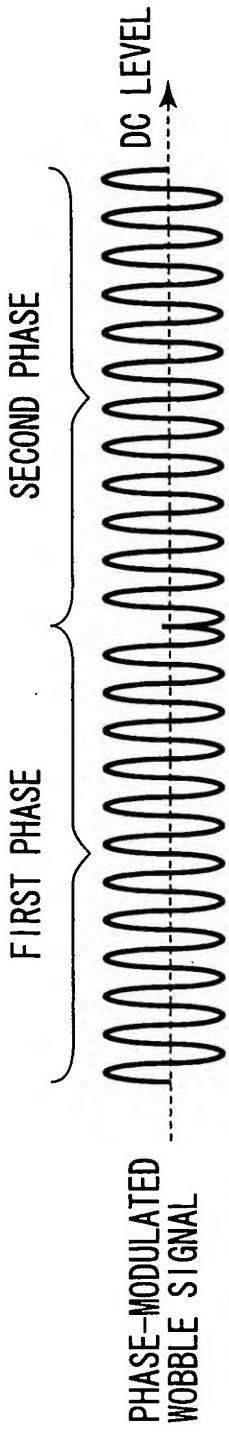


FIG. 12A

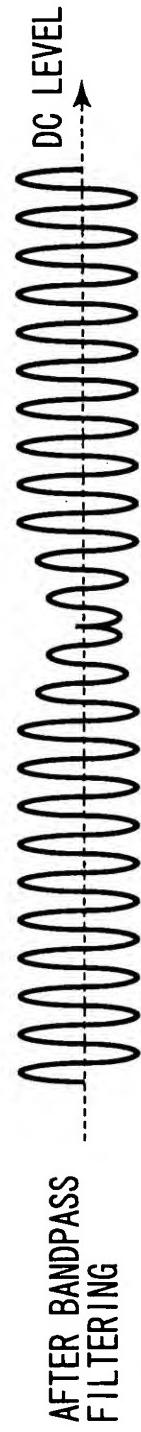


FIG. 12B

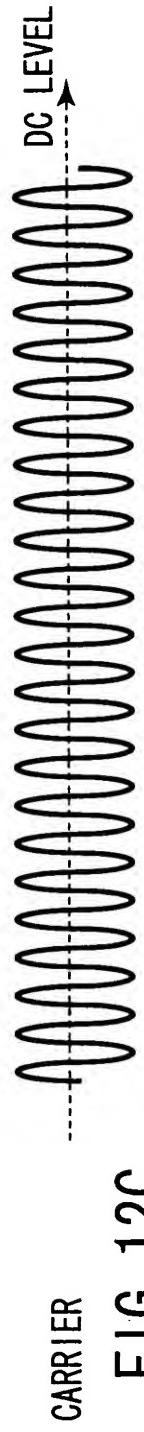


FIG. 12C

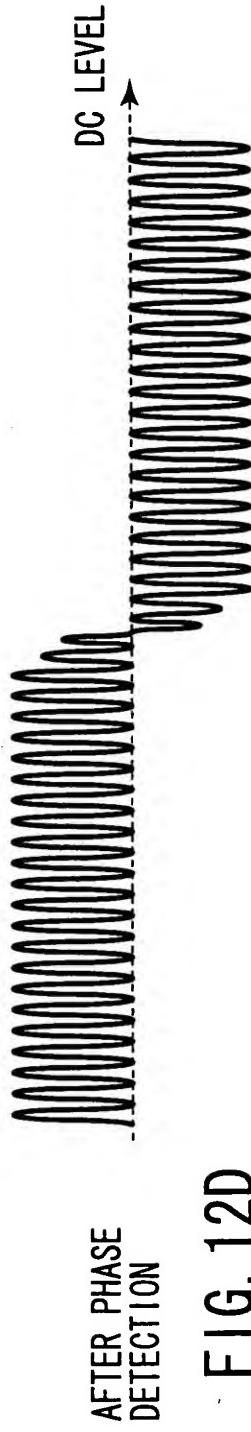


FIG. 12D

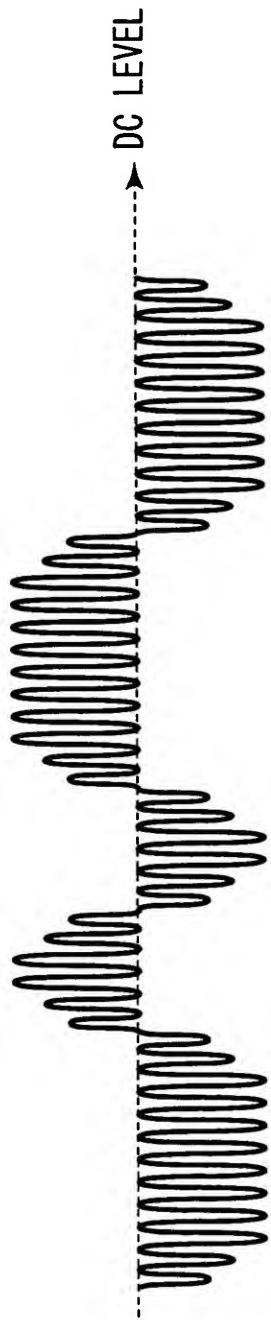


FIG. 13A

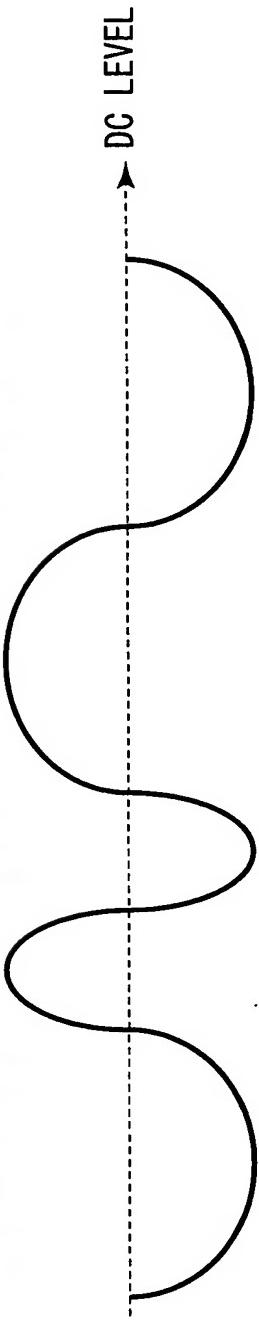


FIG. 13B

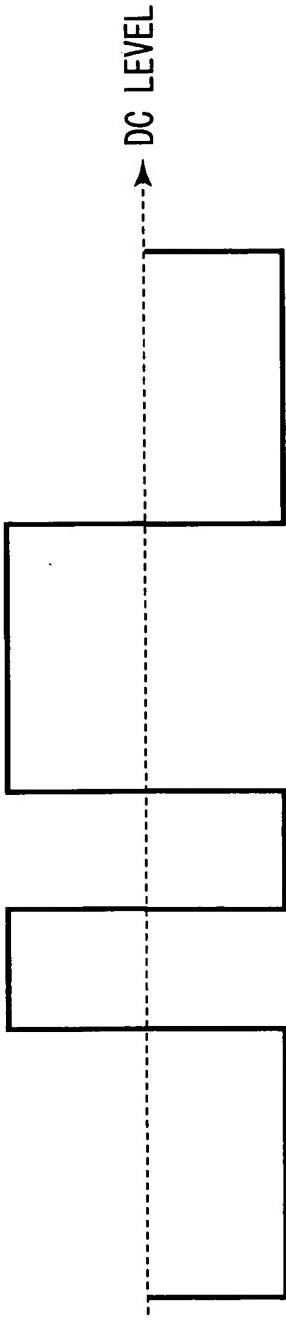


FIG. 13C

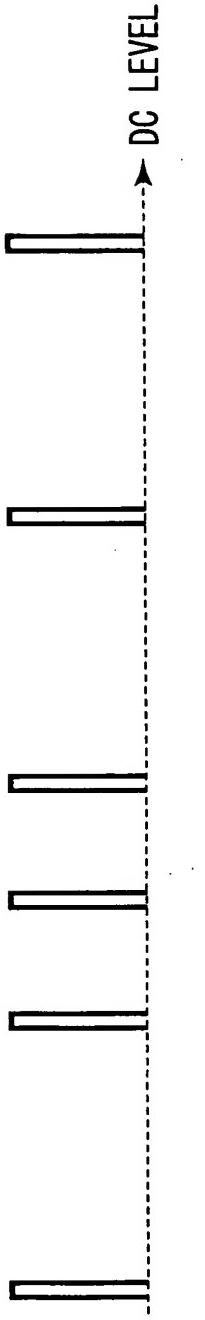


FIG. 13D

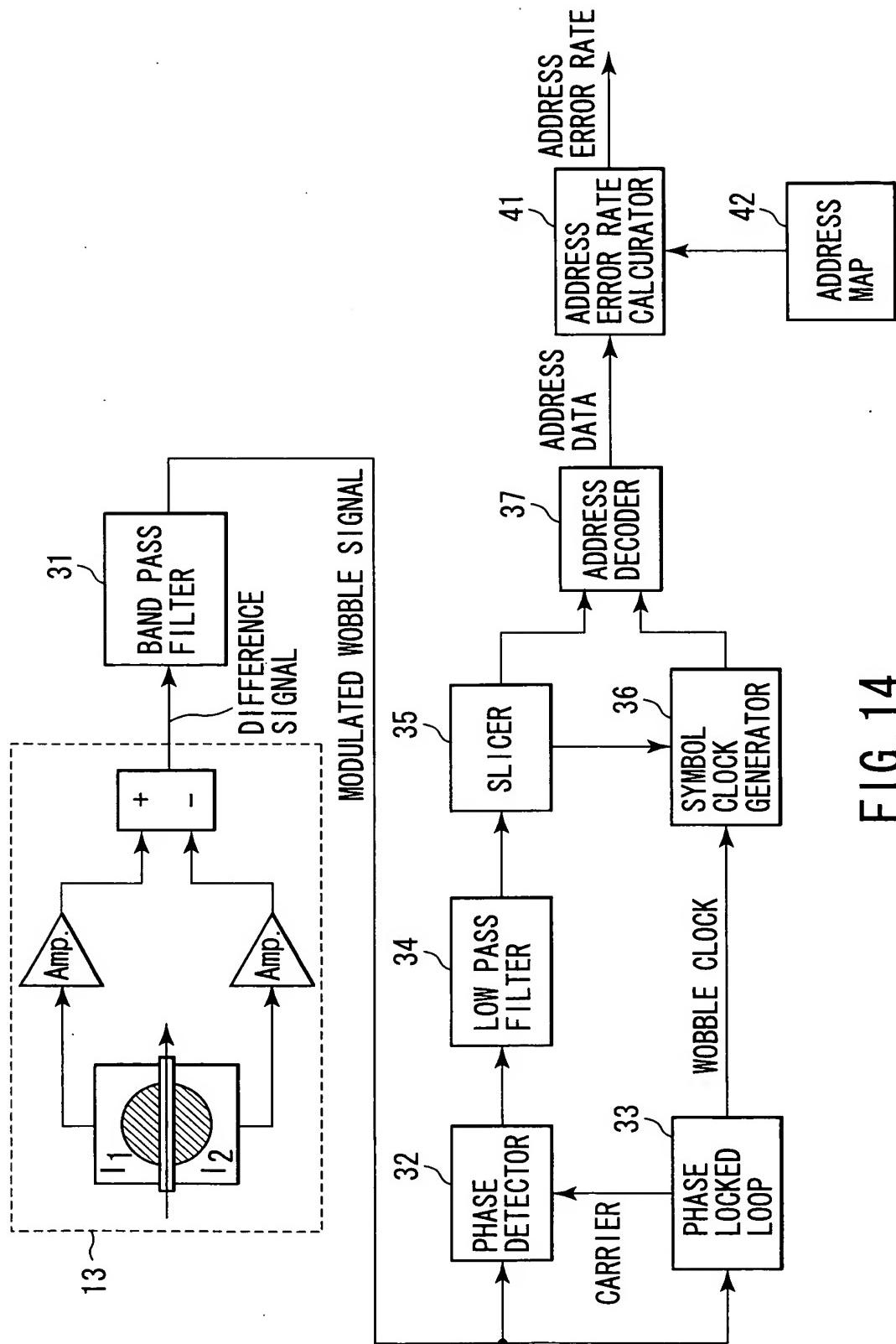


FIG. 14

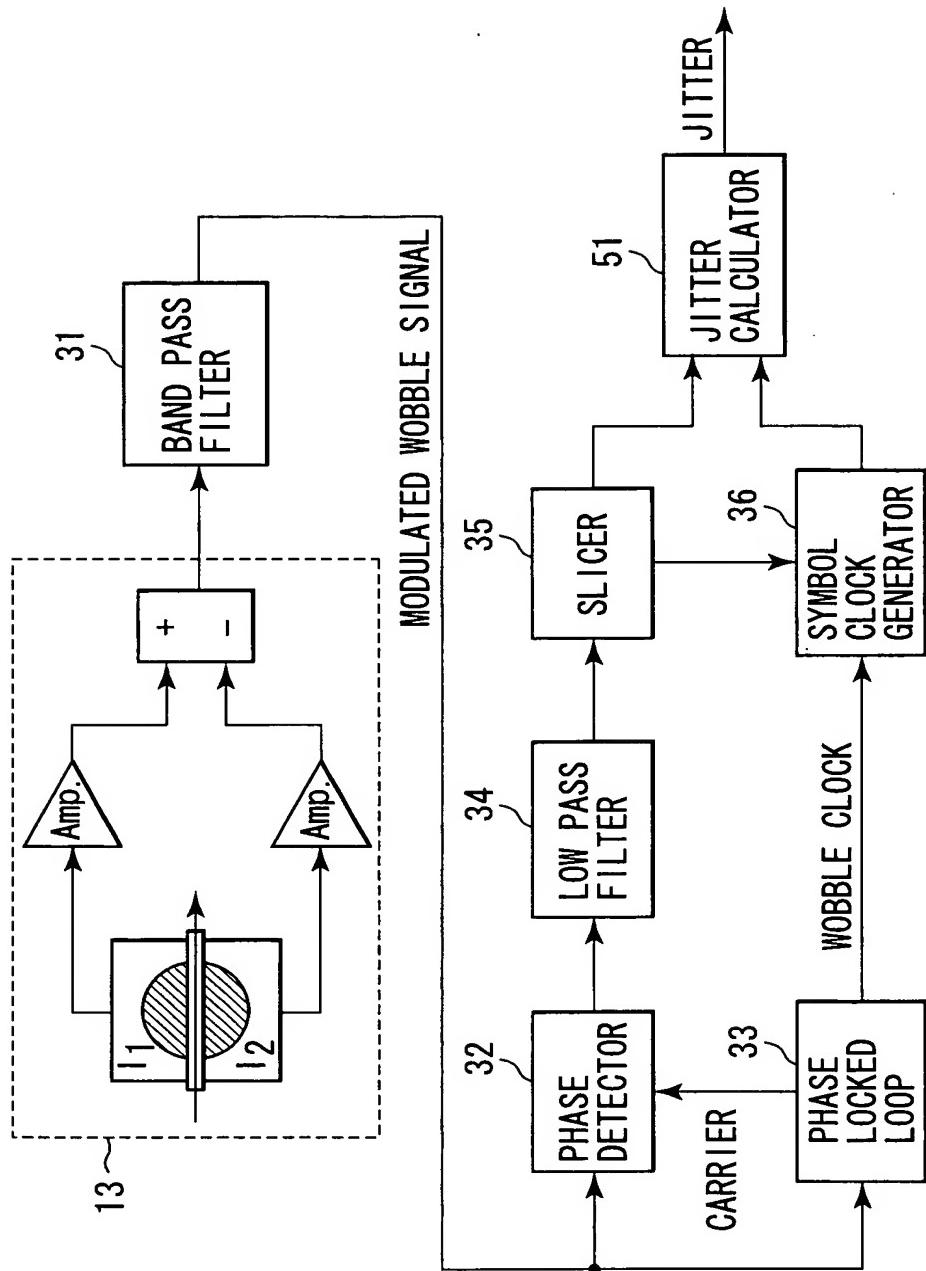


FIG. 15

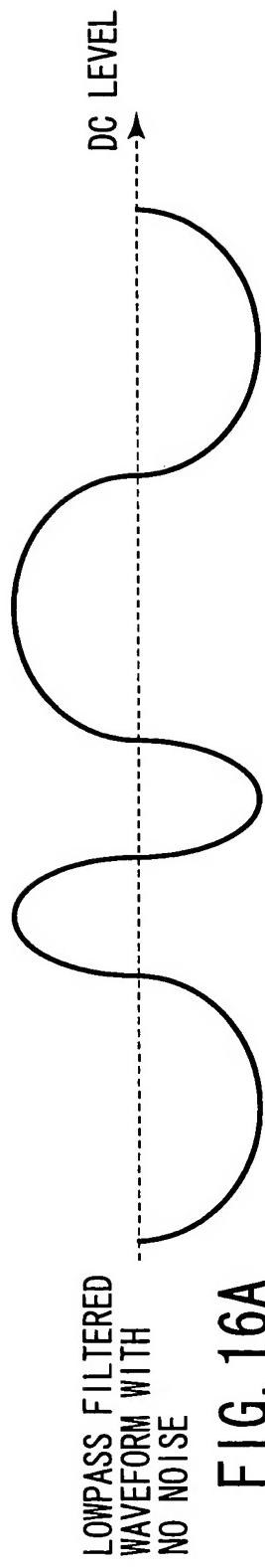


FIG. 16A

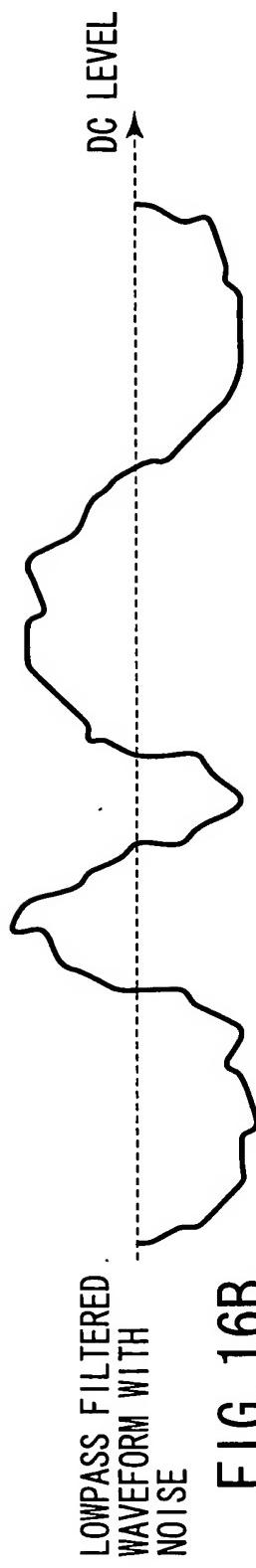


FIG. 16B

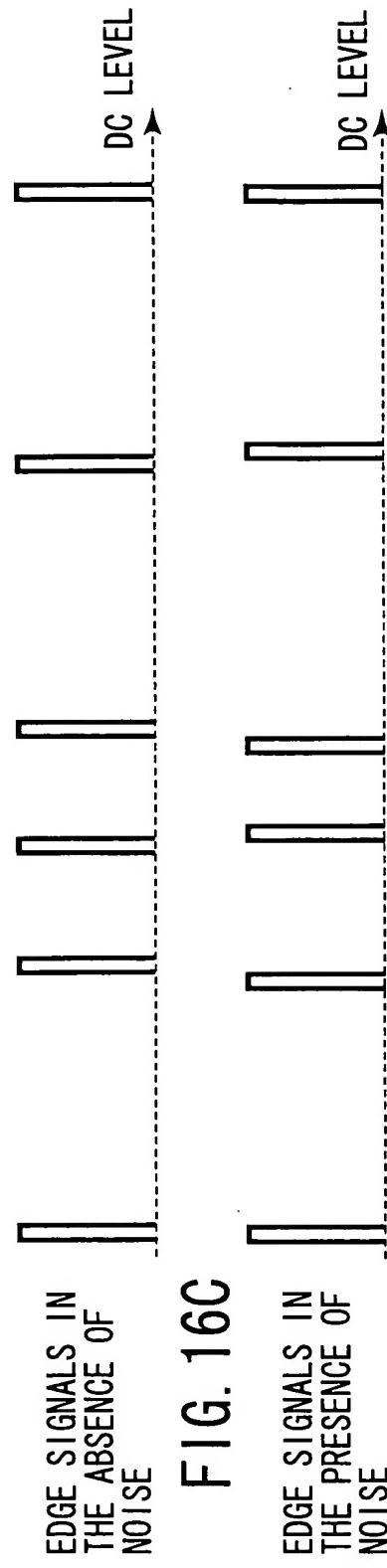


FIG. 16C

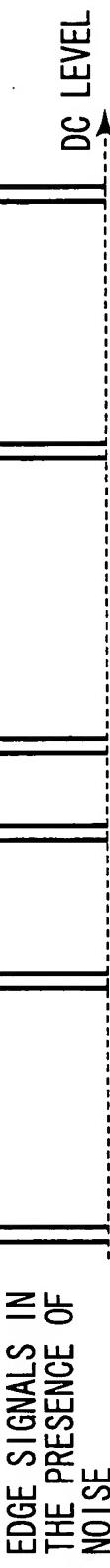


FIG. 16D

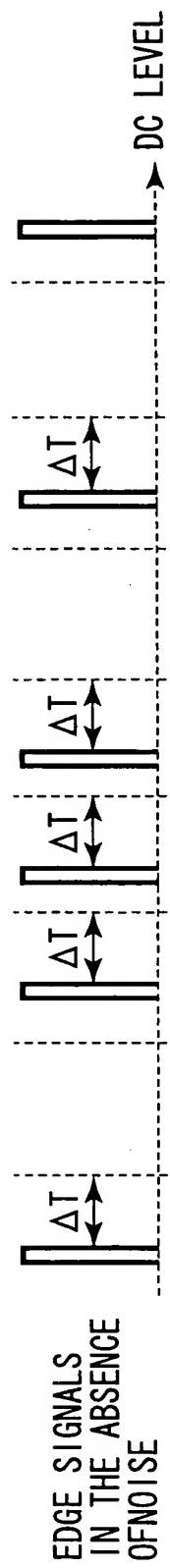


FIG. 17A

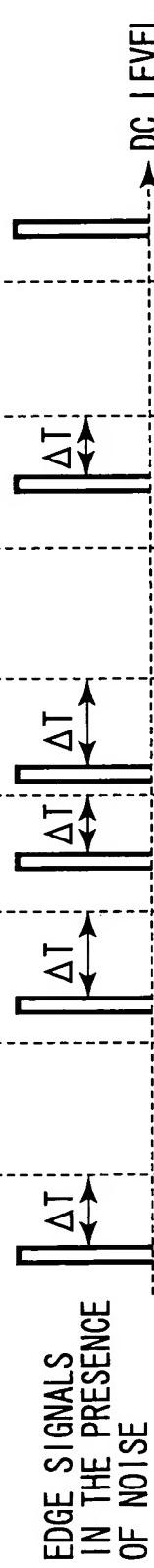
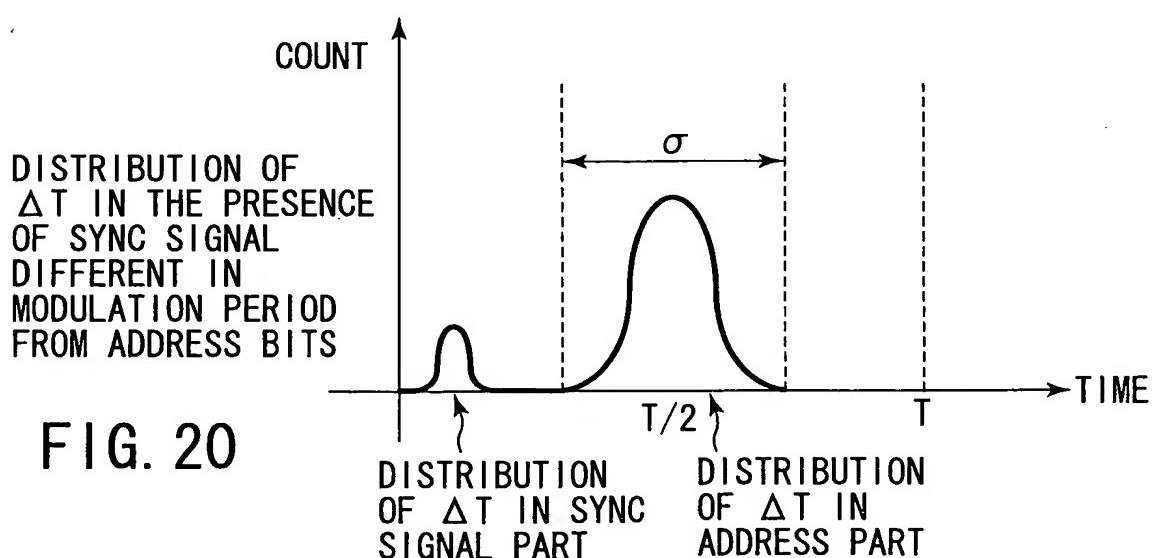
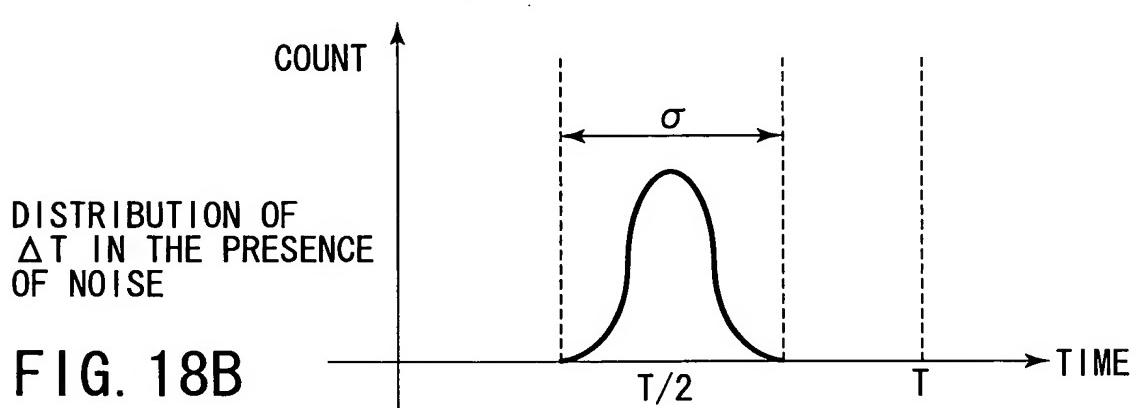
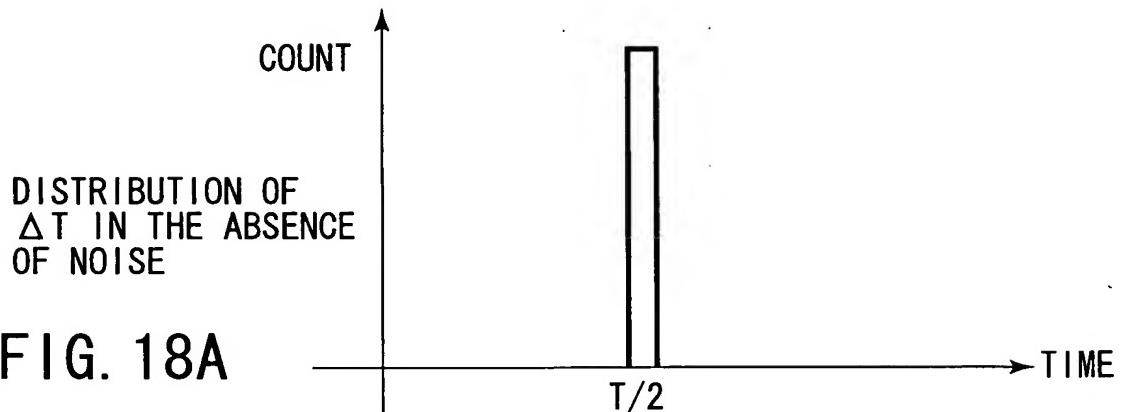


FIG. 17B



FIG. 17C



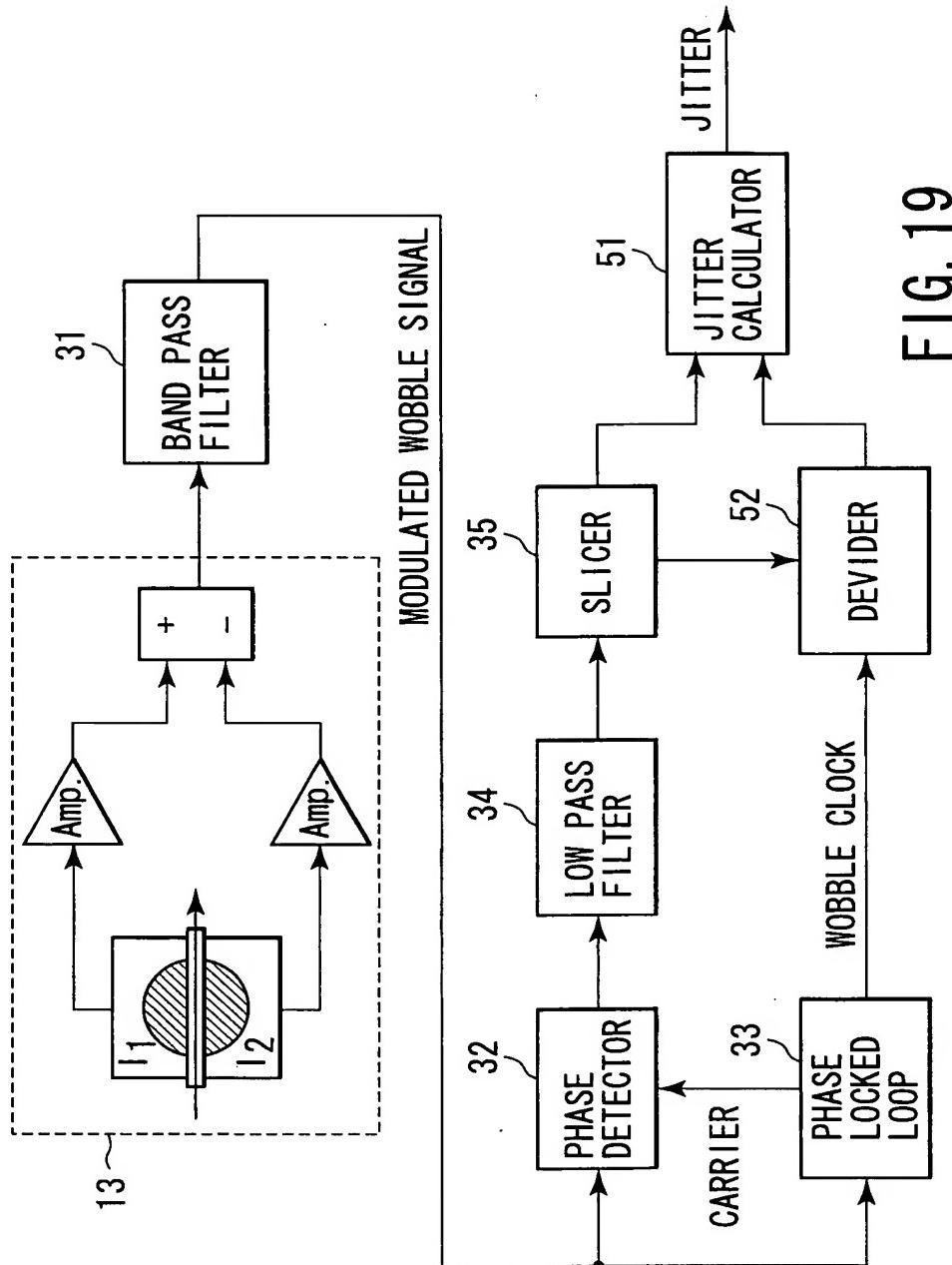


FIG. 19

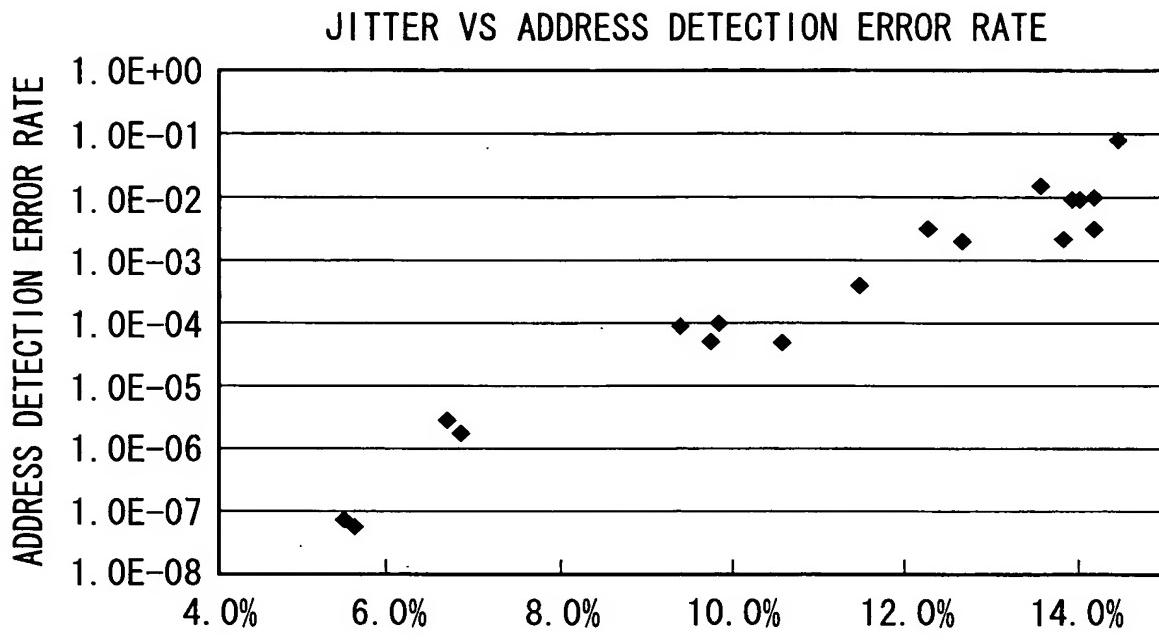
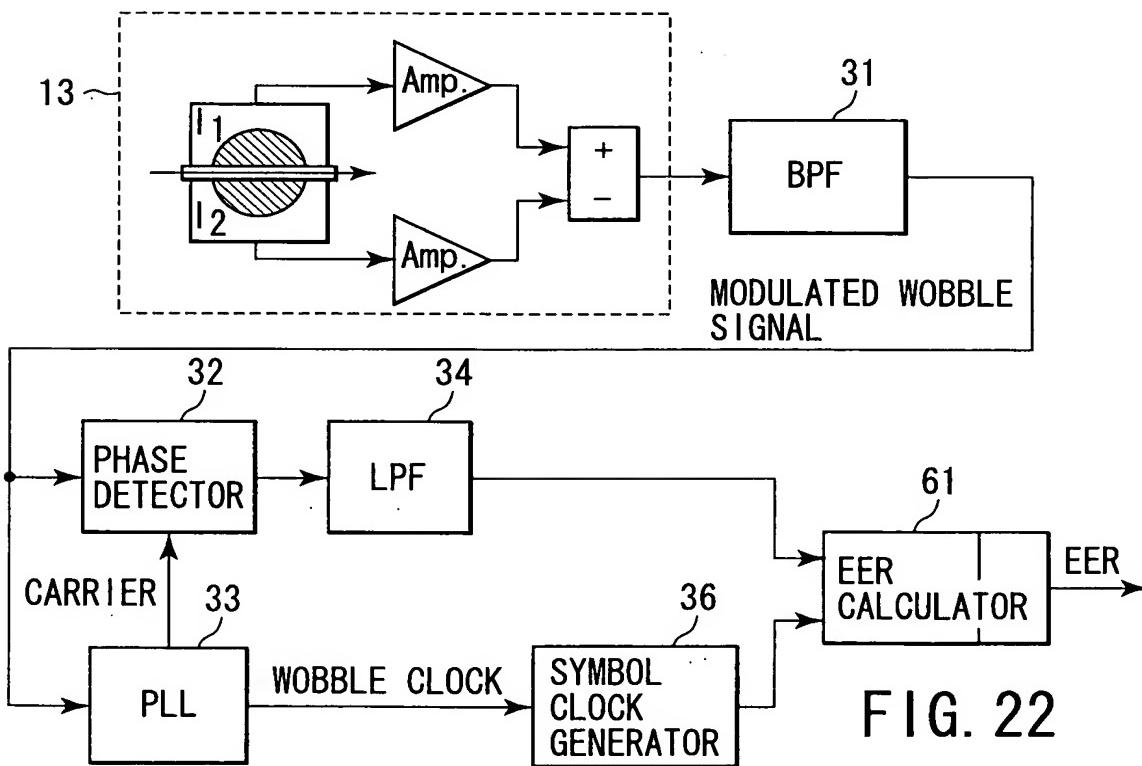


FIG. 21



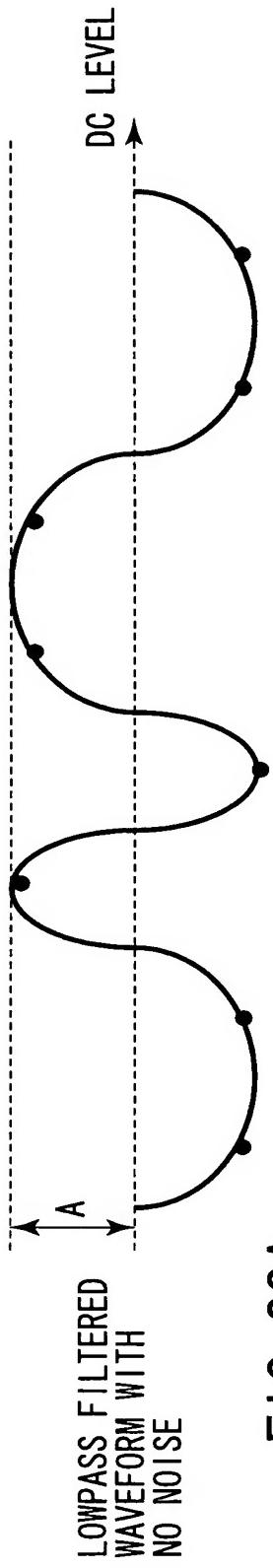


FIG. 23A

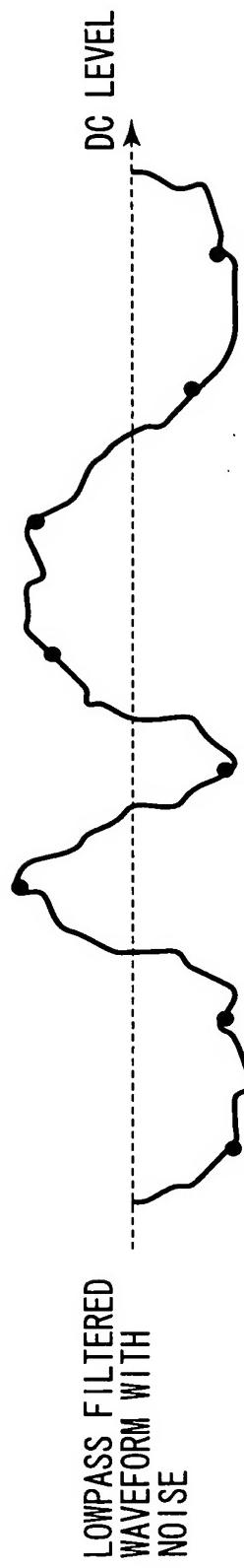


FIG. 23B

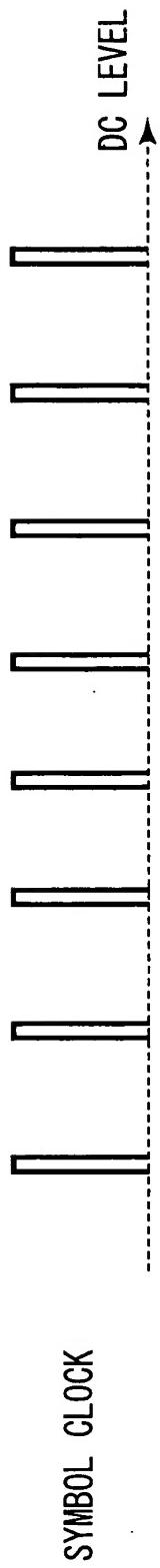
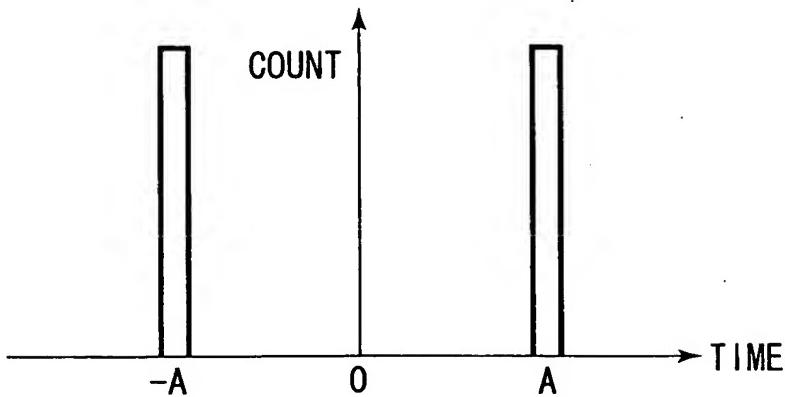


FIG. 23C

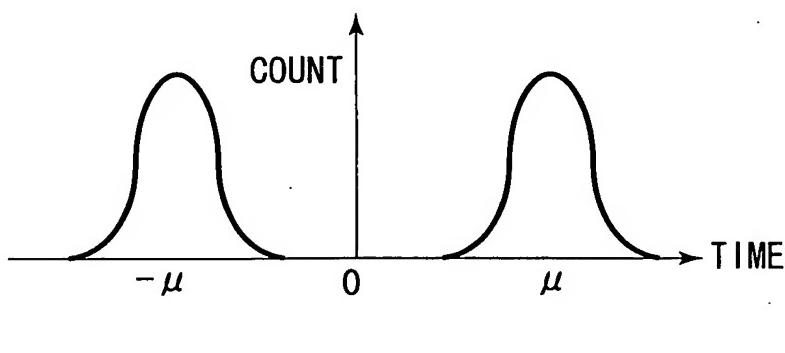
DISTRIBUTION OF AMPLITUDES IN THE ABSENCE OF NOISE

FIG. 24A



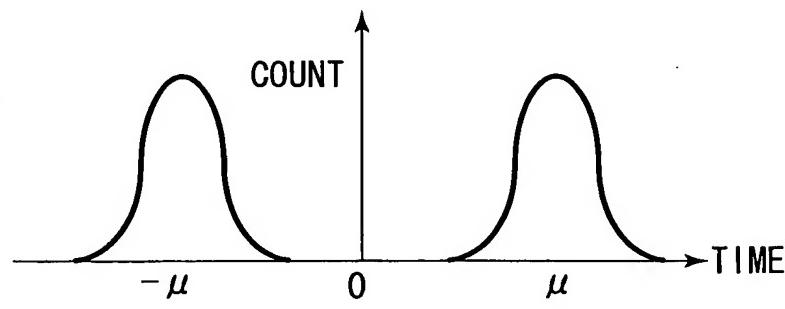
DISTRIBUTION OF AMPLITUDES IN THE PRESENCE OF NOISE

FIG. 24B



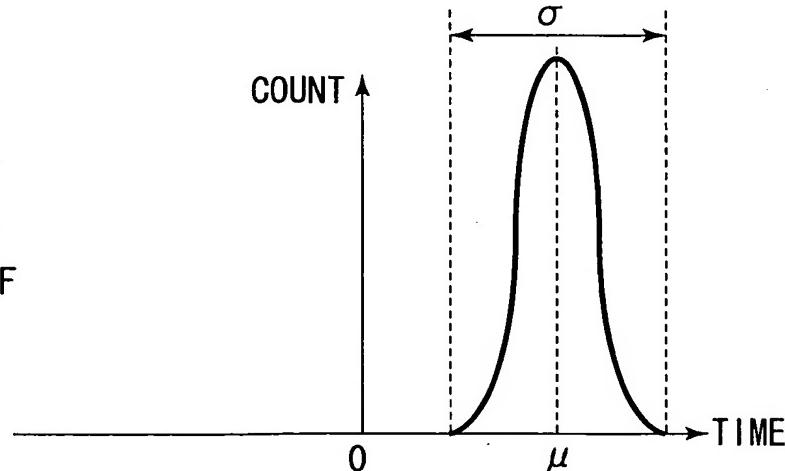
DISTRIBUTION OF AMPLITUDES IN THE PRESENCE OF NOISE

FIG. 25A



DISTRIBUTION OF ABSOLUTE-VALUE AMPLITUDES IN THE PRESENCE OF NOISE

FIG. 25B



$\mu / \sigma$	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
$\mu / \sigma$	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.00	4.96e-001	3.1e-003	1.9e-004	6.64e-004	2.45e-004	7.2e-004	2.1e-004	5.9e-004	1.61e-004	4.56e-001
0.21	4.56e-001	3.55e-003	1.64e-004	5.25e-004	1.75e-004	5.3e-004	1.53e-004	4.21e-004	1.16e-004	3.35e-001
0.42	4.33e-001	3.88e-003	1.84e-004	6.06e-004	1.92e-004	5.71e-004	1.62e-004	4.51e-004	1.24e-004	3.13e-001
0.63	4.19e-001	4.21e-003	2.04e-004	6.86e-004	2.11e-004	6.51e-004	1.72e-004	5.21e-004	1.34e-004	2.93e-001
0.84	4.05e-001	4.54e-003	2.24e-004	7.66e-004	2.21e-004	7.01e-004	1.82e-004	5.91e-004	1.44e-004	2.73e-001
1.05	3.91e-001	4.87e-003	2.44e-004	8.46e-004	2.31e-004	8.41e-004	1.91e-004	6.81e-004	1.55e-004	2.53e-001
1.26	3.77e-001	5.20e-003	2.64e-004	9.25e-004	2.39e-004	9.36e-004	2.06e-004	7.26e-004	1.66e-004	2.33e-001
1.47	3.63e-001	5.53e-003	2.84e-004	1.004e-003	2.44e-004	1.021e-003	2.13e-004	7.71e-004	1.77e-004	2.13e-001
1.68	3.49e-001	5.86e-003	3.04e-004	1.083e-003	2.48e-004	1.039e-003	2.22e-004	7.16e-004	1.88e-004	1.93e-001
1.89	3.35e-001	6.19e-003	3.24e-004	1.162e-003	2.52e-004	1.055e-003	2.31e-004	7.51e-004	1.99e-004	1.73e-001
2.10	3.21e-001	6.52e-003	3.44e-004	1.241e-003	2.56e-004	1.075e-003	2.40e-004	7.86e-004	2.10e-004	1.53e-001
2.31	3.07e-001	6.85e-003	3.64e-004	1.319e-003	2.60e-004	1.095e-003	2.49e-004	8.21e-004	2.17e-004	1.33e-001
2.52	2.93e-001	7.18e-003	3.84e-004	1.398e-003	2.64e-004	1.115e-003	2.58e-004	8.56e-004	2.24e-004	1.13e-001
2.73	2.79e-001	7.51e-003	4.04e-004	1.477e-003	2.68e-004	1.135e-003	2.67e-004	8.91e-004	2.31e-004	9.3e-002
2.94	2.65e-001	7.84e-003	4.24e-004	1.556e-003	2.72e-004	1.155e-003	2.76e-004	9.26e-004	2.38e-004	7.3e-002
3.15	2.51e-001	8.17e-003	4.44e-004	1.635e-003	2.76e-004	1.175e-003	2.85e-004	9.61e-004	2.45e-004	5.3e-002
3.36	2.37e-001	8.50e-003	4.64e-004	1.714e-003	2.80e-004	1.195e-003	2.94e-004	9.96e-004	2.52e-004	3.3e-002
3.57	2.23e-001	8.83e-003	4.84e-004	1.793e-003	2.84e-004	1.215e-003	3.03e-004	1.031e-003	2.60e-004	1.3e-002
3.78	2.09e-001	9.16e-003	5.04e-004	1.872e-003	2.88e-004	1.235e-003	3.12e-004	1.066e-003	2.68e-004	9.0e-003
3.99	1.95e-001	9.49e-003	5.24e-004	1.951e-003	2.92e-004	1.255e-003	3.21e-004	1.101e-003	2.76e-004	6.0e-003
4.20	1.81e-001	9.82e-003	5.44e-004	2.029e-003	2.96e-004	1.275e-003	3.30e-004	1.136e-003	2.84e-004	3.0e-003
4.41	1.67e-001	1.015e-002	5.64e-004	2.108e-003	3.00e-004	1.295e-003	3.39e-004	1.171e-003	2.92e-004	1.0e-003
4.62	1.53e-001	1.048e-002	5.84e-004	2.187e-003	3.04e-004	1.315e-003	3.48e-004	1.206e-003	3.00e-004	4.0e-004
4.83	1.39e-001	1.081e-002	6.04e-004	2.266e-003	3.08e-004	1.335e-003	3.57e-004	1.241e-003	3.08e-004	8.0e-005
5.04	1.25e-001	1.114e-002	6.24e-004	2.345e-003	3.12e-004	1.355e-003	3.66e-004	1.276e-003	3.16e-004	1.2e-005
5.25	1.11e-001	1.147e-002	6.44e-004	2.424e-003	3.16e-004	1.375e-003	3.75e-004	1.311e-003	3.24e-004	1.6e-006
5.46	9.7e-002	1.180e-002	6.64e-004	2.503e-003	3.20e-004	1.395e-003	3.84e-004	1.346e-003	3.32e-004	2.0e-007
5.67	8.3e-002	1.213e-002	6.84e-004	2.582e-003	3.24e-004	1.415e-003	3.93e-004	1.381e-003	3.40e-004	2.4e-008
5.88	6.9e-002	1.246e-002	7.04e-004	2.661e-003	3.28e-004	1.435e-003	4.02e-004	1.416e-003	3.48e-004	2.8e-009
6.09	5.5e-002	1.279e-002	7.24e-004	2.740e-003	3.32e-004	1.455e-003	4.11e-004	1.451e-003	3.56e-004	3.2e-0010
6.30	4.1e-002	1.312e-002	7.44e-004	2.819e-003	3.36e-004	1.475e-003	4.20e-004	1.486e-003	3.64e-004	3.6e-0011
6.51	2.7e-002	1.345e-002	7.64e-004	2.898e-003	3.40e-004	1.495e-003	4.29e-004	1.521e-003	3.72e-004	4.0e-0012
6.72	1.3e-002	1.378e-002	7.84e-004	2.977e-003	3.44e-004	1.515e-003	4.38e-004	1.556e-003	3.80e-004	4.4e-0013
6.93	8.6e-003	1.411e-002	8.04e-004	3.056e-003	3.48e-004	1.535e-003	4.47e-004	1.591e-003	3.88e-004	4.8e-0014
7.14	5.2e-003	1.444e-002	8.24e-004	3.135e-003	3.52e-004	1.555e-003	4.56e-004	1.626e-003	3.96e-004	5.2e-0015
7.35	1.8e-003	1.477e-002	8.44e-004	3.214e-003	3.56e-004	1.575e-003	4.65e-004	1.661e-003	4.04e-004	5.6e-0016
7.56	5.4e-004	1.510e-002	8.64e-004	3.293e-003	3.60e-004	1.595e-003	4.74e-004	1.696e-003	4.12e-004	6.0e-0017
7.77	2.0e-004	1.543e-002	8.84e-004	3.372e-003	3.64e-004	1.615e-003	4.83e-004	1.731e-003	4.20e-004	6.4e-0018
7.98	8.6e-005	1.576e-002	9.04e-004	3.451e-003	3.68e-004	1.635e-003	4.92e-004	1.766e-003	4.28e-004	6.8e-0019
8.19	5.2e-005	1.609e-002	9.24e-004	3.530e-003	3.72e-004	1.655e-003	5.01e-004	1.801e-003	4.36e-004	7.2e-0020
8.40	2.0e-005	1.642e-002	9.44e-004	3.609e-003	3.76e-004	1.675e-003	5.10e-004	1.836e-003	4.44e-004	7.6e-0021
8.61	8.6e-006	1.675e-002	9.64e-004	3.688e-003	3.80e-004	1.695e-003	5.19e-004	1.871e-003	4.52e-004	8.0e-0022
8.82	5.2e-006	1.708e-002	9.84e-004	3.767e-003	3.84e-004	1.715e-003	5.28e-004	1.906e-003	4.60e-004	8.4e-0023
9.03	2.0e-006	1.741e-002	1.004e-003	3.846e-003	3.88e-004	1.735e-003	5.37e-004	1.941e-003	4.68e-004	8.8e-0024
9.24	8.6e-007	1.774e-002	1.024e-003	3.925e-003	3.92e-004	1.755e-003	5.46e-004	1.976e-003	4.76e-004	9.2e-0025
9.45	5.2e-007	1.807e-002	1.044e-003	4.004e-003	3.96e-004	1.775e-003	5.55e-004	2.011e-003	4.84e-004	9.6e-0026
9.66	2.0e-007	1.840e-002	1.064e-003	4.083e-003	4.00e-004	1.795e-003	5.64e-004	2.046e-003	4.92e-004	1.00e-0027
9.87	8.6e-008	1.873e-002	1.084e-003	4.162e-003	4.04e-004	1.815e-003	5.73e-004	2.081e-003	5.00e-004	1.04e-0028
10.08	5.2e-008	1.906e-002	1.104e-003	4.241e-003	4.08e-004	1.835e-003	5.82e-004	2.116e-003	5.08e-004	1.08e-0029
10.29	2.0e-008	1.939e-002	1.124e-003	4.320e-003	4.12e-004	1.855e-003	5.91e-004	2.151e-003	5.16e-004	1.12e-0030
10.50	8.6e-009	1.972e-002	1.144e-003	4.400e-003	4.16e-004	1.875e-003	6.00e-004	2.186e-003	5.24e-004	1.16e-0031
10.71	5.2e-009	2.005e-002	1.164e-003	4.479e-003	4.20e-004	1.895e-003	6.09e-004	2.221e-003	5.32e-004	1.20e-0032
10.92	2.0e-009	2.038e-002	1.184e-003	4.558e-003	4.24e-004	1.915e-003	6.18e-004	2.256e-003	5.40e-004	1.24e-0033
11.13	8.6e-010	2.071e-002	1.204e-003	4.637e-003	4.28e-004	1.935e-003	6.27e-004	2.291e-003	5.48e-004	1.28e-0034
11.34	5.2e-010	2.104e-002	1.224e-003	4.716e-003	4.32e-004	1.955e-003	6.36e-004	2.326e-003	5.56e-004	1.32e-0035
11.55	2.0e-010	2.137e-002	1.244e-003	4.795e-003	4.36e-004	1.975e-003	6.45e-004	2.361e-003	5.64e-004	1.36e-0036
11.76	8.6e-011	2.170e-002	1.264e-003	4.874e-003	4.40e-004	1.995e-003	6.54e-004	2.396e-003	5.72e-004	1.40e-0037
11.97	5.2e-011	2.203e-002	1.284e-003	4.953e-003	4.44e-004	2.015e-003	6.63e-004	2.431e-003	5.80e-004	1.44e-0038
12.18	2.0e-011	2.236e-002	1.304e-003	5.032e-003	4.48e-004	2.035e-003	6.72e-004	2.466e-003	5.88e-004	1.48e-0039
12.39	8.6e-012	2.269e-002	1.324e-003	5.111e-003	4.52e-004	2.055e-003	6.81e-004	2.501e-003	5.96e-004	1.52e-0040
12.60	5.2e-012	2.302e-002	1.344e-003	5.190e-003	4.56e-004	2.075e-003	6.90e-004	2.536e-003	6.04e-004	1.56e-0041
12.81	2.0e-012	2.335e-002	1.364e-003	5.269e-003	4.60e-004	2.095e-003	6.99e-004	2.571e-003	6.12e-004	1.60e-0042
13.02	8.6e-013	2.368e-002	1.384e-003	5.348e-003	4.64e-004	2.115e-003	7.08e-004	2.606e-003	6.20e-004	1.64e-0043
13.23	5.2e-013	2.401e-002	1.404e-003	5.427e-003	4.68e-004	2.135e-003	7.17e-004	2.641e-003	6.28e-004	1.68e-0044
13.44	2.0e-013	2.434e-002	1.424e-003	5.506e-003	4.72e-004	2.155e-003	7.26e-004	2.676e-003	6.36e-004	1.72e-0045
13.65	8.6e-014	2.467e-002	1.444e-003	5.585e-003	4.76e-004	2.175e-003	7.35e-004	2.711e-003	6.44e-004	1.76e-0046
13.86	5.2e-014	2.500e-002	1.464e-003	5.664e-003	4.80e-004	2.195e-003	7.44e-004	2.746e-003	6.52e-004	1.80e-0047
14.07	2.0e-014	2.533e-002	1.484e-003	5.743e-003	4.84e-004	2.215e-003	7.53e-004	2.781e-003	6.60e-004	1.84e-0048
14.28	8.6e-015	2.566e-002	1.504e-003	5.822e-003	4.88e-004	2.235e-003	7.62e-004	2.816e-003	6.68e-004	1.88e-0049
14.49	5.2e-015	2.600e-002	1.524e-003	5.901e-003	4.92e-004	2.255e-003	7.71e-004	2.851e-003	6.76e-004	1.92e-0050
14.70	2.0e-015	2.633e-002	1.544e-003	5.980e-003	4.96e-004	2.275e-003	7.80e-004	2.886e-003	6.84e-004	1.96e-0051
14.91	8.6e-016	2.666e-002	1.564e-003	6.059e-003	5.00e-004	2.295e-003	7.89e-004	2.921e-003	6.92e-004	2.00e-0052
15.12	5.2e-016	2.700e-002	1.584e-003	6.138e-003	5.04e-004	2.315e-003	7.98e-004	2.956e-003	7.00e-004	2.04e-0053
15.33	2.0e-016	2.733e-002	1.604e-003	6.217e-003	5.08e-004	2.335e-003	8.07e-004	2.991e-003	7.08e-004	2.08e-0054
15.54	8.6e-017	2.766e-002	1.624e-003	6.296e-003	5.12e-004	2.355e-003	8.16e-004	3.026e-003	7.16e-004	2.12e-0055
15.75	5.2e-017	2.800e-002	1.644e-003	6.375e-003	5.16e-004	2.375e				

FIG. 26

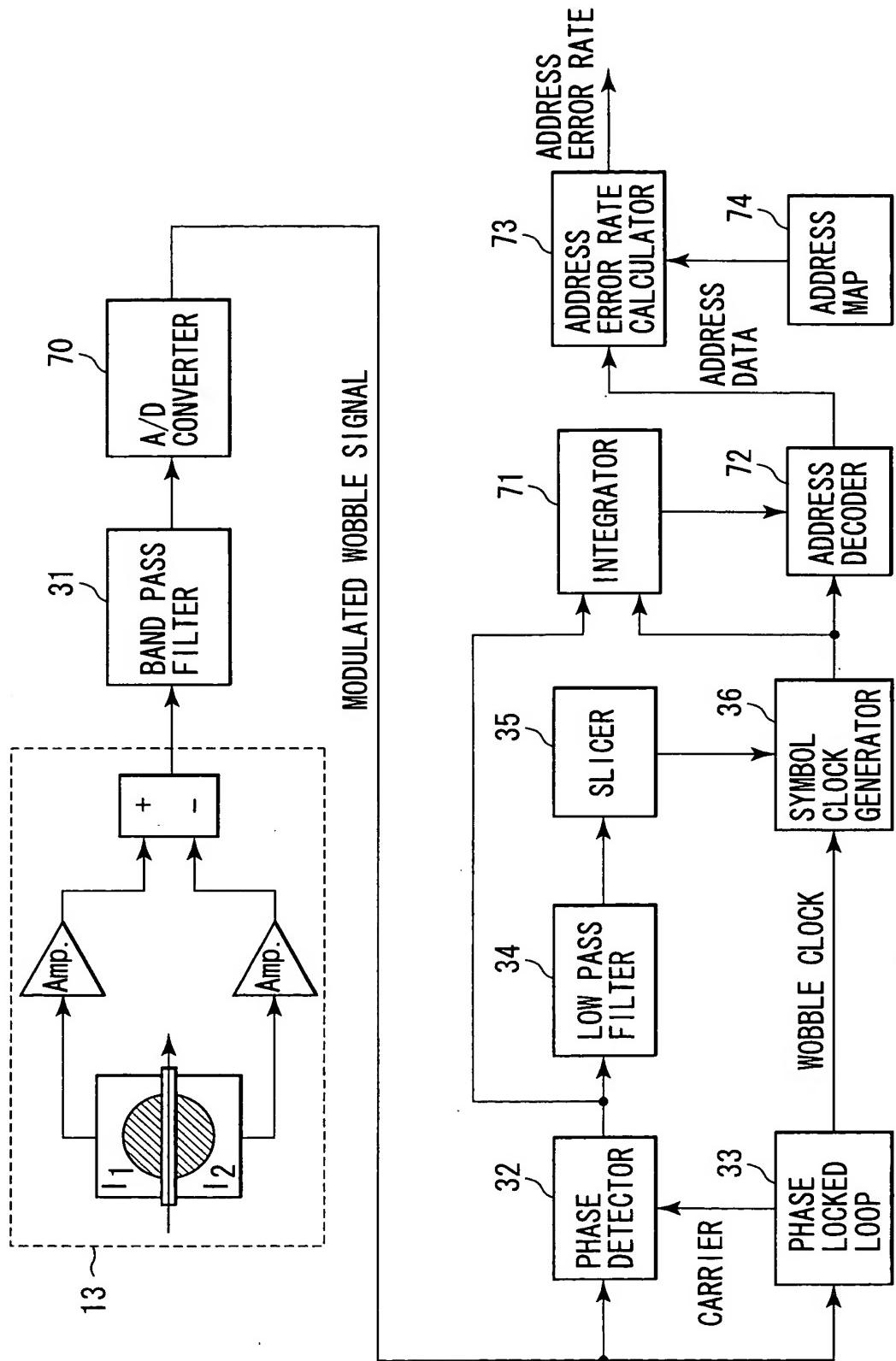
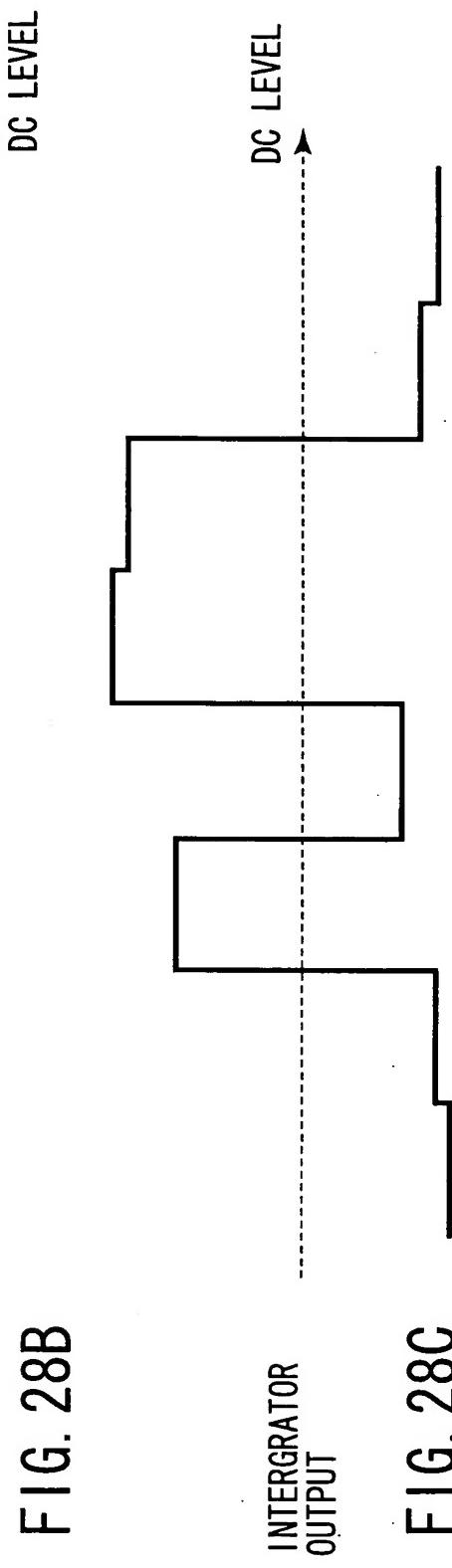
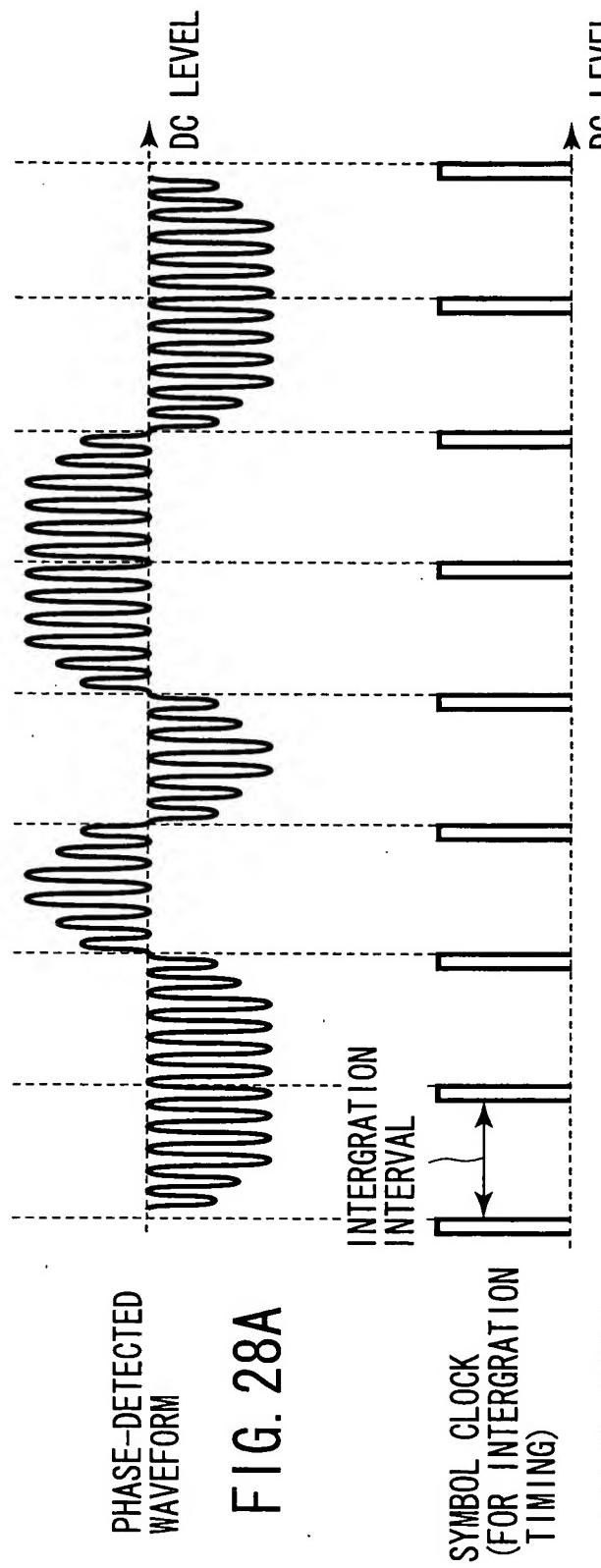


FIG. 27



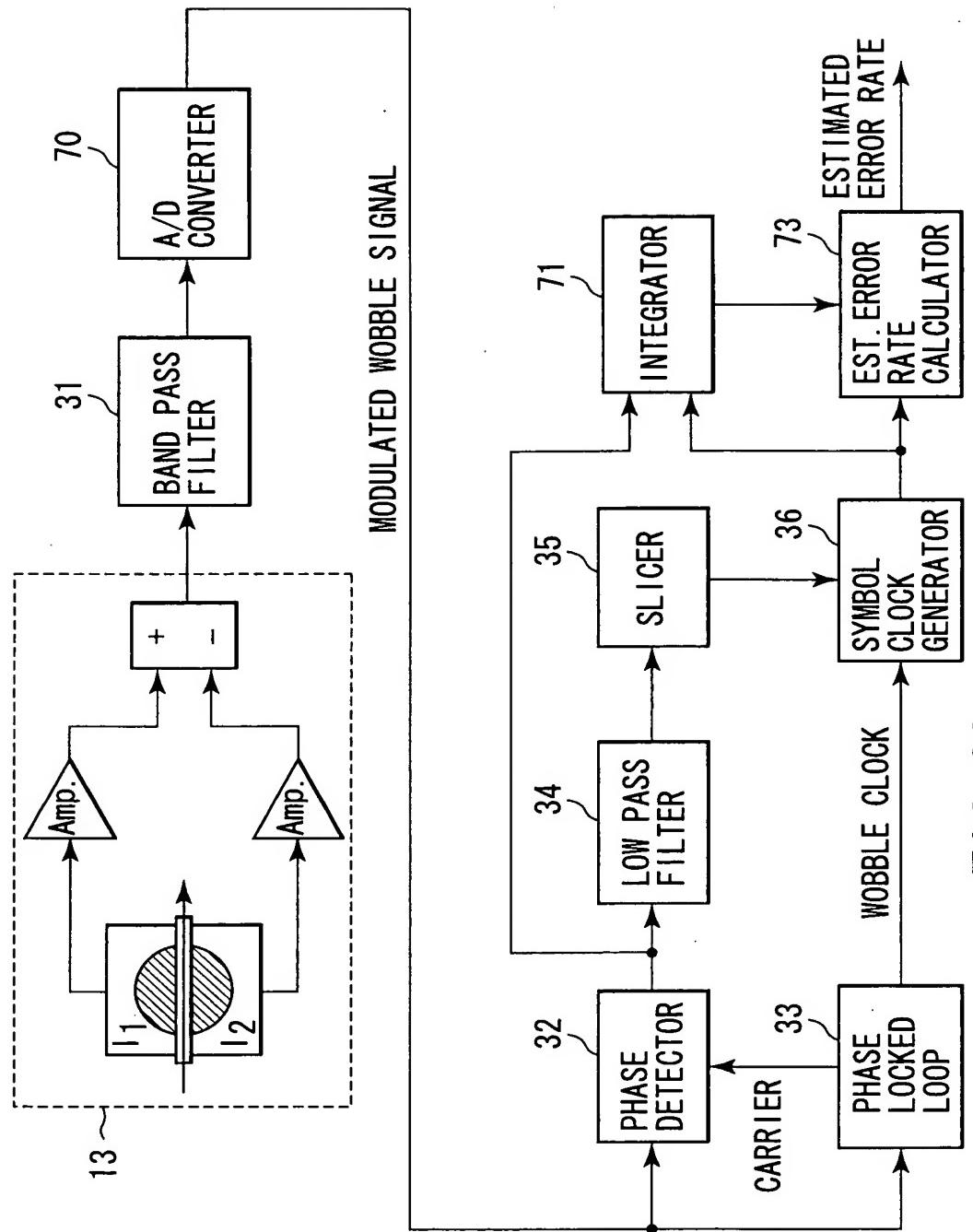


FIG. 29